



دائرة الشؤون البلدية  
DEPARTMENT OF MUNICIPAL AFFAIRS

## Al Ain City Municipality 46 years of experience in Mapping & GIS

*Nasser Mohammed Abdullah*  
*Al Ain Spatial Data Directorate*  
2014

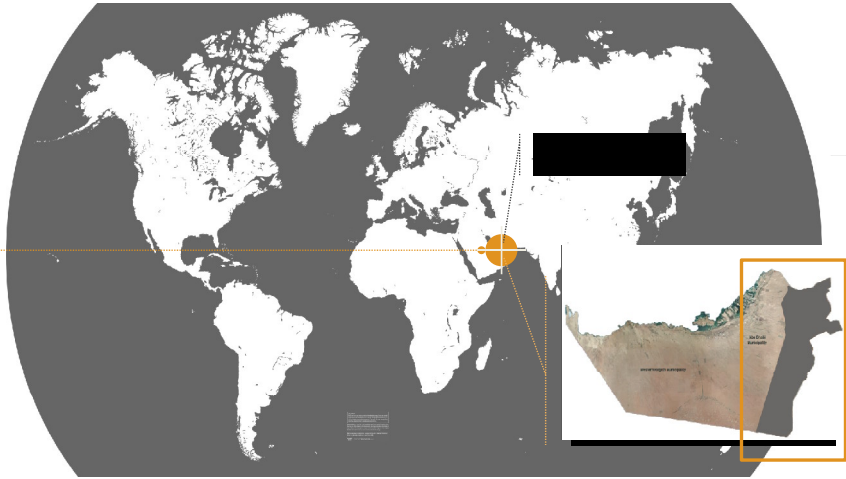
### Topics

#### Main Contents

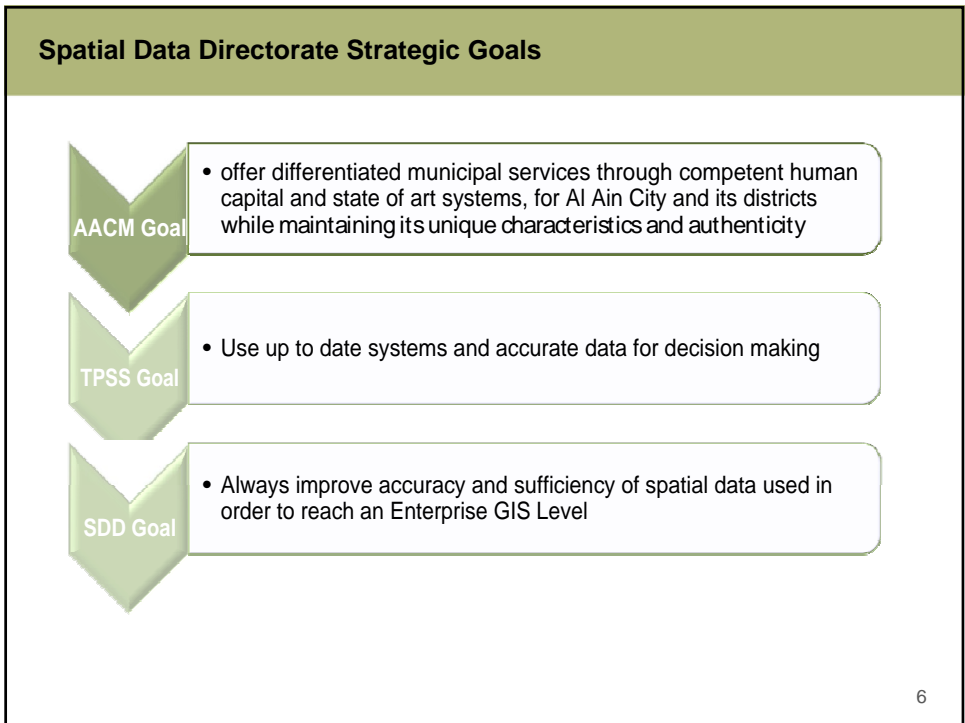
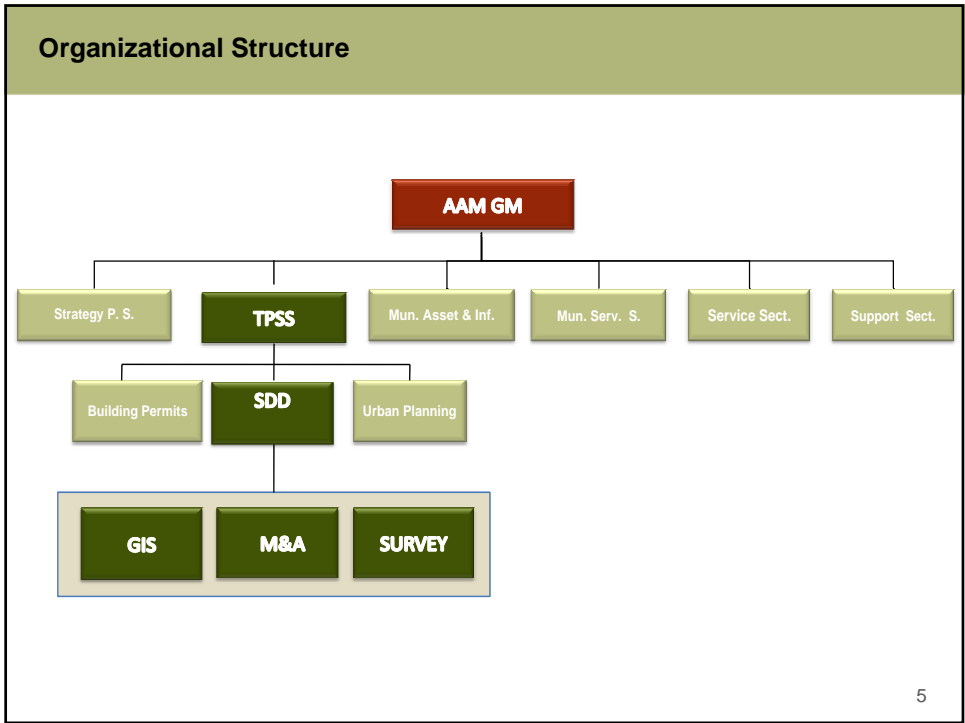
- **Strategy and Goals**
  - AACM Organizational Chart
  - SDD Goals
  - Enterprise GIS Implementation
- **Technology and Tools**
  - Updating Processes
  - Systems Integration
- **Systems and Roles**
- **Gallery and Tours**

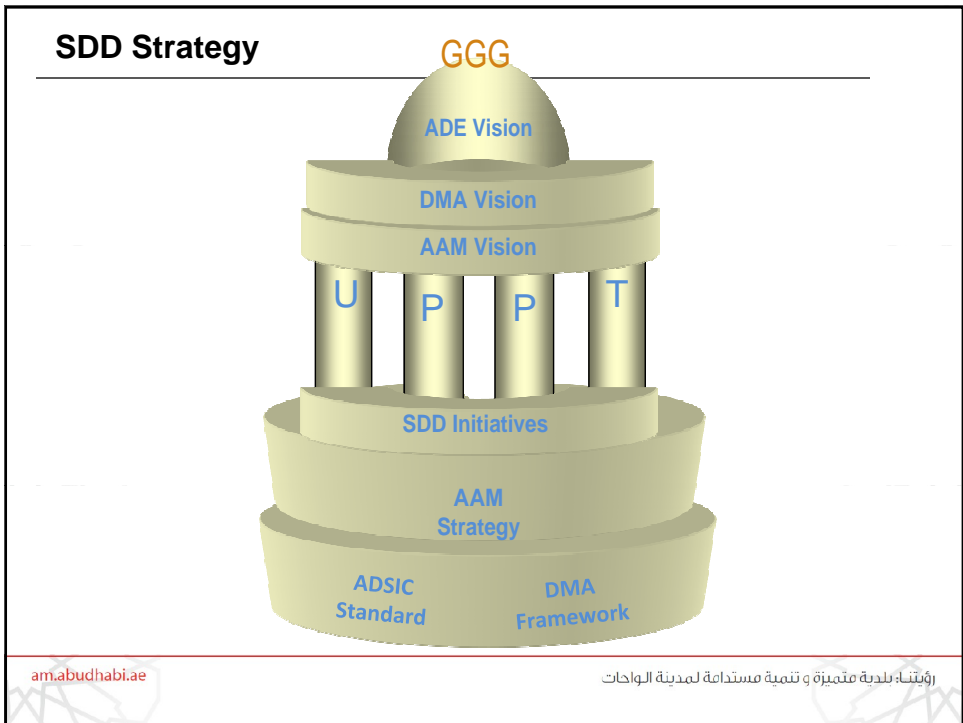
# Strategy & Goals

Alain City



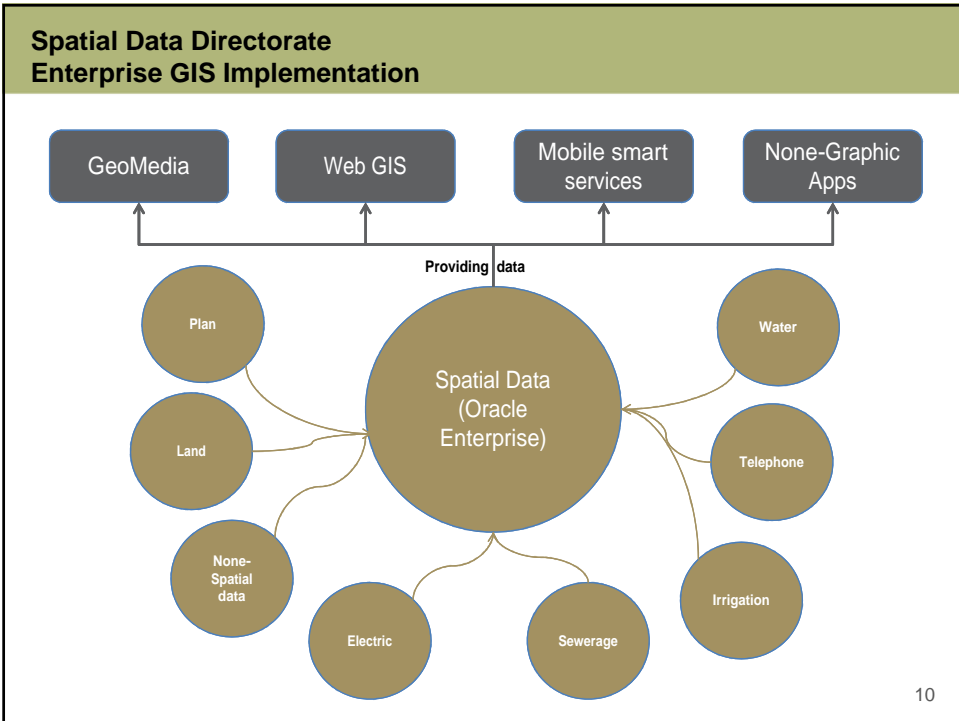
رؤيتنا: بلدية متميزة و تنمية مستدامة لمدينة الوحدات  
am.abudhabi.ae

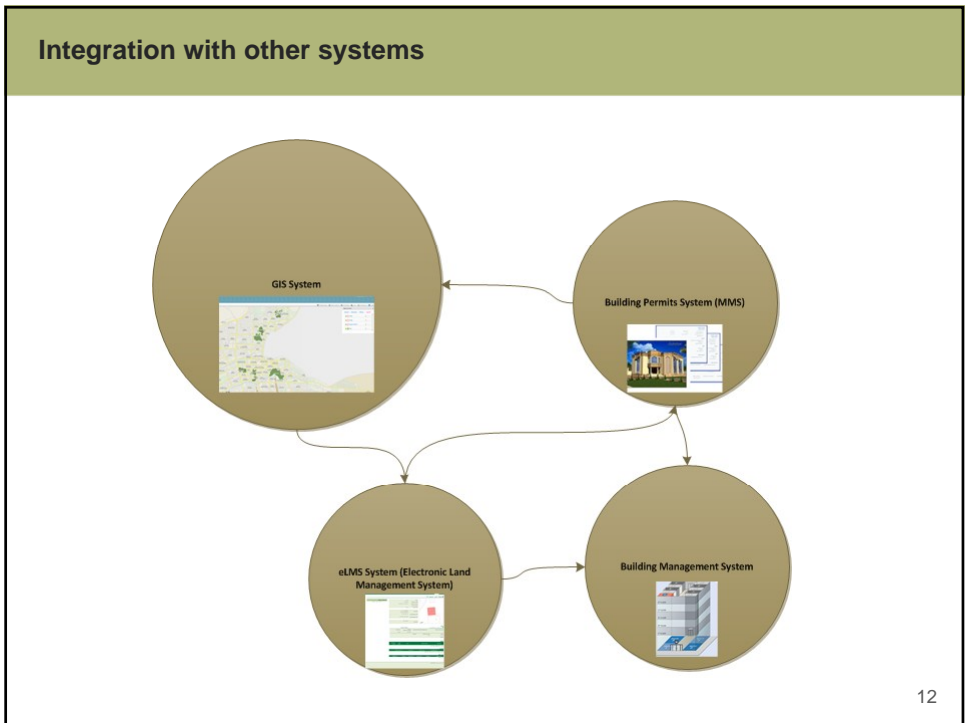
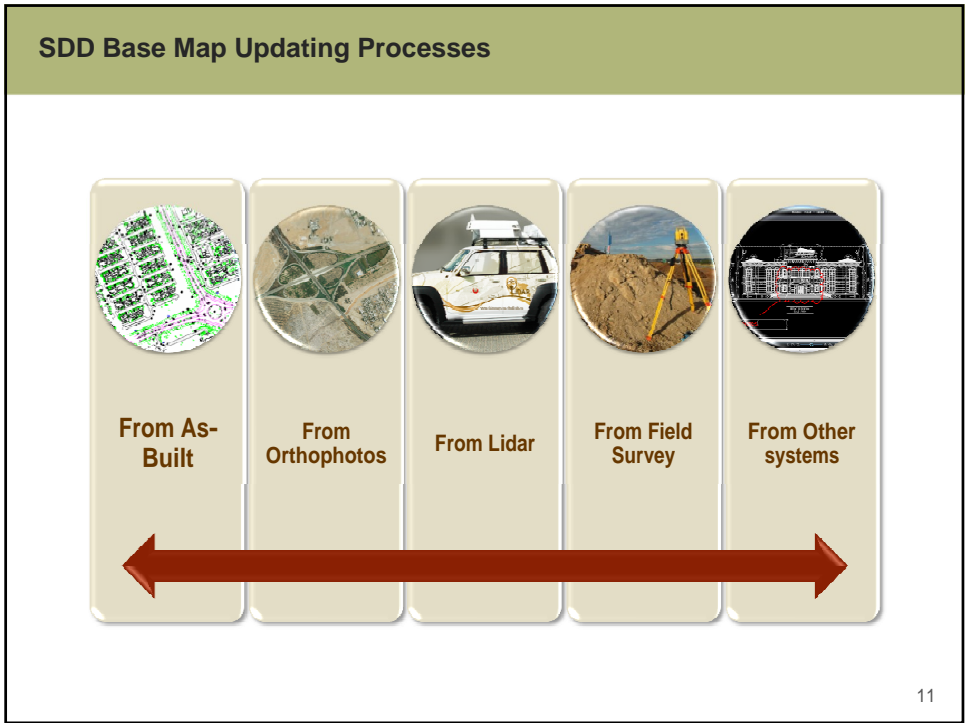


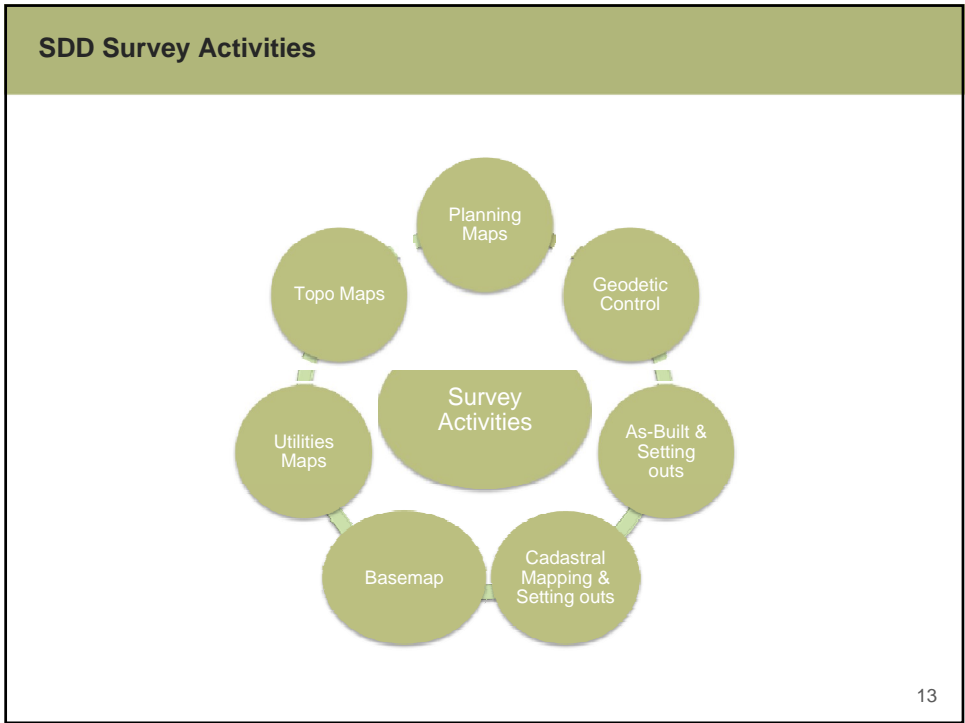




# Technology & Tools

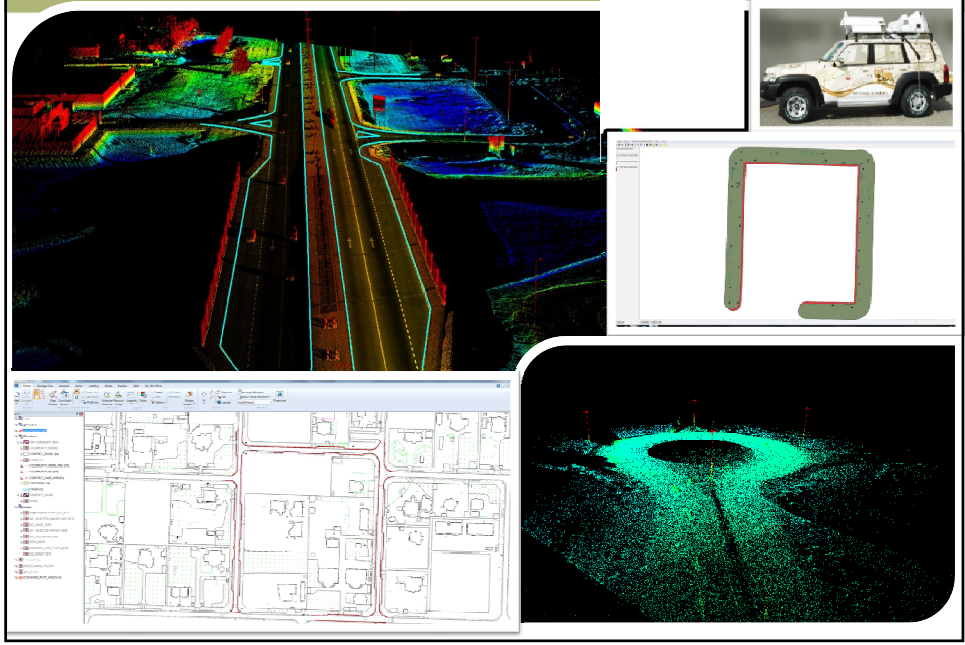




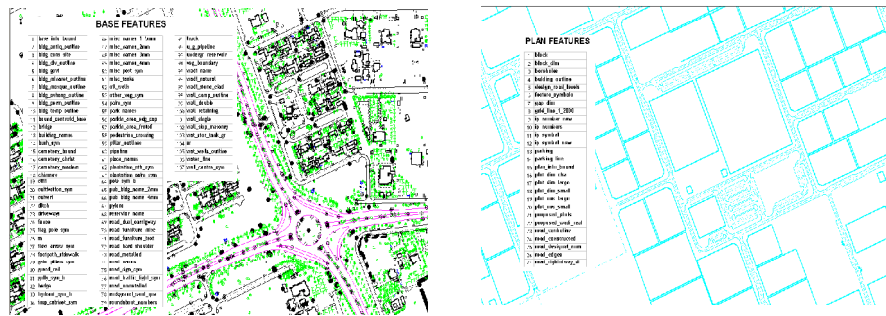


## Systems & Roles

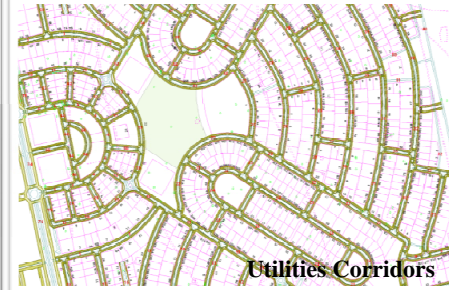
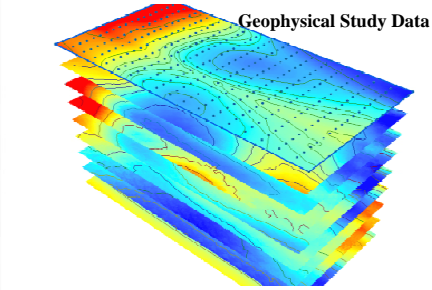
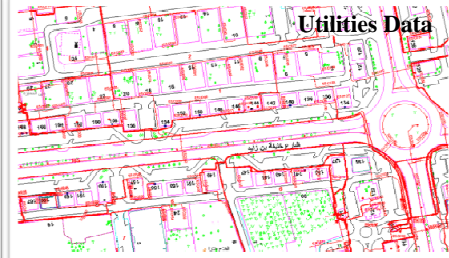
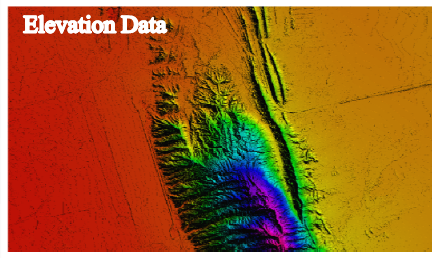
# Lidar Processing



# Features (Examples)



### Data (Examples)



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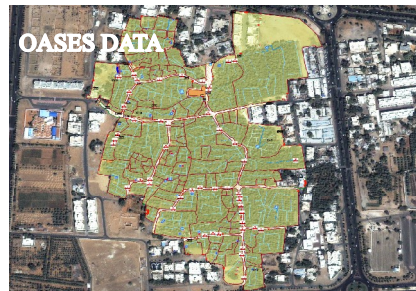
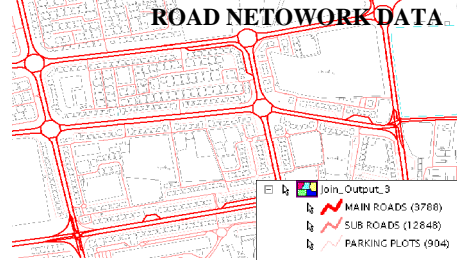
### Data (Examples) Cont'd

**LAND FEATURES**

- 1 hist\_plot
- 2 hist\_plot\_no
- 3 hist\_utm\_code
- 4 plot
- 5 plot\_dimension
- 6 plot\_extended
- 7 plot\_no
- 8 road\_centraline
- 9 road\_end\_block
- 10 road\_no
- 11 road\_no\_circle
- 12 section\_of\_dim
- 13 utm\_code\_centroid
- 14 utm\_code\_circle
- 15 utm\_code\_label
- 16 utm\_code\_start\_pt



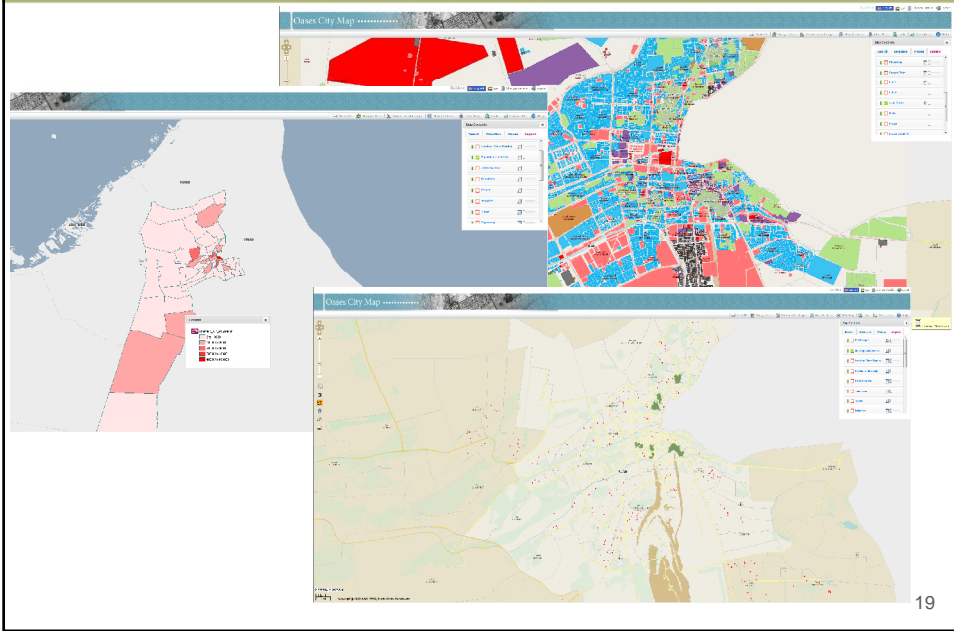
**ROAD NETWORK DATA**



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### Projects (AI Ain Interactive Maps)



### Projects (3D pilot project)

- Pilot Project Selected: Civic center
- Software Used: Skyline



- Data used: Base Map + orthophoto

### Best Exhibitor and Projects AWARDS

**2007**  
BEST EXHIBITOR AWARD  
MAP MIDDLE EAST 2007  
9 - 11 April, 2007 Dubai, UAE  
www.mapmiddleeast.org  
GIS  
Map Middle East  
Dubai

**2008**  
Map Middle East  
Dubai

**2009**  
Map Asia  
Singapore

**2011**  
Hexagon USA  
Orlando

**2012**  
GEOSPATIAL WORLD FORUM  
23-27 April, 2012  
Amsterdam, The Netherlands  
Geospatial Forum  
Amsterdam

**2013**  
Geospatial Forum  
Rotterdam

Map Middle East  
Dubai

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## Gallery & Tours













**Thank you for your attention**